

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000905

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C12Q 1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Medline, CA, WPIDS: C12Q 1/68, tissue plasminogen activator, tPA, polymorphism, mutation, allele, locus, snp, rflp, stroke, brain, cerebral

DGENE: ggctttggcgcgtctcccaaaggagcccgccccagacacagccatggcct

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|--|
| X | WO 1997/007240 A (AKZO NOBEL N.V.) 27 February 1997 See whole document. | 1-6, 8- 16, 18-26, 28-35, 37-45, 47-48 |
| X | Benza RL et al (1998) "Gene polymorphisms for PAI-1 are associated with angiographic extent of coronary artery disease" J Thrombosis Thrombolysis 5, 143-50 See whole document. | 1-6, 8- 16, 18-26, 28-35, 37-45, 47-48 |
| A | Austin H et al (2002) "Cryptogenic stroke in relation to genetic variation in clotting factors and other genetic polymorphisms among young men and women" Stroke 33, 2762-9 See whole document | 1-6, 8- 16, 18-26, 28-35, 37-45, 47-48 |

☒ Further documents are listed in the continuation of Box C

☐ See patent family annex

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
16 August 2004

Date of mailing of the international search report
19 AUG 2004

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| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|---|--|--|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | Iacoviello L et al (1995) "Alu-repeat polymorphism in the tissue-type plasminogen activator (t-PA) gene, t-PA levels and risk of familial myocardial infarction (MI)" Fibrinolysis 10(Supple 2), 13-6 See whole document | 1-6, 8- 16, 18-26, 28-35, 37-45, 47-48 |
| X | Bang C-O et al (2001) "4G/5G polymorphism of the plasminogen inhibitor-1 gene and insertion/deletion polymorphism of the tissue-type plasminogen activator gene in atherothrombotic stroke" Cerebrovascular Disease 11, 294-9 See whole document | 1-6, 8- 16, 18-26, 28-35, 37-45, 47-48 |
| X | Tabrizi P et al (1999) "Tissue plasminogen activator (tPA) deficiency exacerbates cerebrovascular fibrin deposition and brain injury in a murine stroke model" Arterioscler Thromb Vasc Biol 19, 2801-6 See whole document | 1-6, 8- 16, 18-26, 28-35, 37-45, 47-48 |

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report | | | Patent Family Member | | |
|---|-------------|-------------|----------------------|----|---------|
| WO | 1997/007240 | AU 68227/96 | EP 0846185 | US | 5994080 |

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX